

IN THE CLAIMS

1 (Currently Amended). A method comprising:

clamping a heat sink to a thermoelectric cooler over a vapor chamber using a clamp that extends at least partially around said ~~thermoelectric~~ cooler and said vapor chamber over the top of fins extending from said heat sink.

2 (Original). The method of claim 1 including clamping a heat sink using a U-shaped member which clamps to a plate underneath the heat sink and extends around and over the heat sink from side to side.

3 (Original). The method of claim 2 including providing adjustable threaded members on the free ends of said U-shaped heat sink.

4 (Original). The method of claim 1 including providing a reinforcement over the top of the heat sink to underlie the clamp.

5 (Original). The method of claim 1 including providing a stack of said heat sink, a heat spreader, a thermoelectric cooler, and a vapor chamber.

6 (Original). The method of claim 5 including providing a support frame underneath said vapor chamber.

7 (Original). The method of claim 6 including clamping a U-shaped clamp on the underside of said support frame.

8 (Original). The method of claim 7 including causing said clamp to extend from the underside of said support frame, around the side of said heat sink, over said heat sink, down the opposite side of said heat sink, and under said support frame on the opposite side.

9 (Original). The method of claim 8 including providing an adjustment means at the interface between said clamp and said support frame.

10 (Original). The method of claim 9 including providing a clamp with a connecting portion and a pair of transversely extending arms, said connecting portion being bowed and said arm being resilient.

11 (Original). The method of claim 10 including arranging said connecting portion to press against the upper surface of said heat sink when said transversely extending arms are clamped underneath said heat sink to provide a spring biased compression between said clamp and said heat sink.

Claim 12 (Canceled).

13 (Previously Presented). A clamp comprising:
a bowed leaf spring connecting portion; and
a pair of transversely extending arms extending from opposed ends of said portion
wherein said portion bows toward said arms.

14 (Original). The clamp of claim 13 including an adjustment element on the free ends of said arms.

15 (Original). The clamp of claim 14 wherein said adjustment element includes a threaded member.

Claim 16 (Canceled).

17 (Original). A cooling assembly comprising:
a heat sink having fins;
a vapor chamber;
a thermoelectric cooler; and

a U-shaped clamp extending over said fins and under said vapor chamber and thermoelectric cooler to clamp said vapor chamber and cooler to said heat sink.

18 (Original). The assembly of claim 17 including a strip extending over said fins, and under said U-shaped clamp.

19 (Original). The assembly of claim 17 wherein said clamp includes a bowed leaf spring connecting portion and a pair of transversely extending arms extending from opposed ends of said portion.

20 (Original). The assembly of claim 19 including threaded members on the free ends of said arms.

21 (Original). The assembly of claim 17 including a vapor chamber coupled to said cooler.

22 (Original). The assembly of claim 21 including a vapor chamber support frame coupled to said vapor chamber.

23 (Original). The assembly of claim 17 wherein said U-shaped clamp includes a bowed portion extending over said fins, said bowed portion being resilient.

24 (Original). The assembly of claim 17 including a vapor chamber and a vapor chamber frame, said U-shaped clamp extending over said fins, said cooler, said vapor chamber, a thermoelectric cooler, and abutting against said vapor chamber support frame.

25 (Previously Presented). The clamp of claim 13 wherein said arms to wrap around a vapor chamber, a thermoelectric cooler, and a heat sink to secure said heat sink to said thermoelectric cooler and vapor chamber.

26 (Previously Presented). A clamp comprising:
a bowed leaf spring connecting portion;
a pair of transversely extending arms extending from opposed ends of said portion;
and
an adjustment element on the free ends of said arms.

27 (Previously Presented). The clamp of claim 26 wherein said adjustment element includes a threaded member.

28 (Previously Presented). The clamp of claim 26 wherein said portion bows toward said arms.